

Jiri Vaclavik

List of Publications by Year in descending order

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papers

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516710

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times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanding the Scope of Hypervalent Iodine Reagents for Perfluoroalkylation: From Trifluoromethyl to Functionalized Perfluoroethyl. <i>Chemistry - A European Journal</i> , 2016, 22, 417-424.	3.3	73
2	Opportunities Offered by Chiral \hat{I} -6-Arene/N-Arylsulfonyl-diamine-Rull Catalysts in the Asymmetric Transfer Hydrogenation of Ketones and Imines. <i>Molecules</i> , 2011, 16, 5460-5495.	3.8	63
3	Practical Aspects and Mechanism of Asymmetric Hydrogenation with Chiral Half-Sandwich Complexes. <i>Molecules</i> , 2013, 18, 6804-6828.	3.8	49
4	Asymmetric Transfer Hydrogenation of Imines and Ketones Using Chiral RullCl(\hat{I} -6-p-cymene)[(S,S)-N-TsDPEN] as a Catalyst: A Computational Study. <i>Organometallics</i> , 2011, 30, 4822-4829.	2.3	46
5	Au ^I Catalysis on a Coordination Polymer: A Solid Porous Ligand with Free Phosphine Sites. <i>ChemCatChem</i> , 2013, 5, 692-696.	3.7	43
6	Subnanometer Gold Clusters on Amino-Functionalized Silica: An Efficient Catalyst for the Synthesis of 1,3-Diynes by Oxidative Alkyne Coupling. <i>ACS Catalysis</i> , 2017, 7, 3414-3418.	11.2	40
7	Irreversible Cysteine-Selective Protein Labeling Employing Modular Electrophilic Tetrafluoroethylation Reagents. <i>Chemistry - A European Journal</i> , 2017, 23, 6490-6494.	3.3	37
8	Synthesis of quaternary \hat{I} -perfluoroalkyl lactams via electrophilic perfluoroalkylation. <i>Chemical Communications</i> , 2016, 52, 4049-4052.	4.1	36
9	Nucleophilic Tetrafluoroethylation Employing in Situ Formed Organomagnesium Reagents. <i>Organic Letters</i> , 2016, 18, 5844-5847.	4.6	32
10	Advances in the Synthesis and Application of Tetrafluoroethylene- and 1,1,2,2-tetrafluoroethyl-containing Compounds. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3554-3593.	2.4	31
11	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(ii) half-sandwich complex. <i>Dalton Transactions</i> , 2013, 42, 5174.	3.3	27
12	Enantioselective hydrogenation of cyclic imines catalysed by Noyori-Ikariya half-sandwich complexes and their analogues. <i>Chemical Communications</i> , 2016, 52, 362-365.	4.1	27
13	Asymmetric transfer hydrogenation of imines catalyzed by a Noyori-type Ru(II) complex—a parametric study. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 233-239.	1.8	22
14	Asymmetric transfer hydrogenation of 1-phenyl dihydroisoquinolines using Ru(II) diamine catalysts. <i>Catalysis Communications</i> , 2013, 36, 67-70.	3.3	22
15	Experimental and Theoretical Perspectives of the Noyori-Ikariya Asymmetric Transfer Hydrogenation of Imines. <i>Molecules</i> , 2014, 19, 6987-7007.	3.8	21
16	Asymmetric Transfer Hydrogenation of Acetophenone N-Benzylimine Using [RullCl((S,S)-TsDPEN)(\hat{I} -6-p-cymene)]: A DFT Study. <i>Organometallics</i> , 2012, 31, 6496-6499.	2.3	19
17	Two optimized synthetic pathways toward a chiral precursor of Mivacurium chloride and other skeletal muscle relaxants. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 50-55.	1.8	12
18	Asymmetric Transfer Hydrogenation of 1-Aryl-3,4-Dihydroisoquinolines Using a Cp*Ir(TsDPEN) Complex. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5131-5134.	2.4	12

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19	Molecular Structure Effects in the Asymmetric Transfer Hydrogenation of Functionalized Dihydroisoquinolines on (S,S)-[RuCl(1-6-p-cymene)TsDPEN]. <i>Catalysis Letters</i> , 2013, 143, 555-562.	2.6	11
20	Nucleophilic tetrafluoroethylation of carbonyl compounds with fluorinated sulfones. <i>Journal of Fluorine Chemistry</i> , 2015, 169, 24-31.	1.7	11
21	Synthesis and reactivity of aliphatic sulfur pentafluorides from substituted (pentafluorosulfanyl)benzenes. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 110-116.	2.2	11
22	The role of the aromatic ligand in the asymmetric transfer hydrogenation of the CN bond on Noyori's chiral Ru catalysts. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1346-1351.	1.8	10
23	Determination of Enantiomeric Composition of Substituted Tetrahydroisoquinolines Based on Derivatization with Menthyl Chloroformate. <i>American Journal of Analytical Chemistry</i> , 2013, 04, 125-133.	0.9	8
24	Role of the sulfonamide moiety of Ru(II) half-sandwich complexes in the asymmetric transfer hydrogenation of 3,4-dihydroisoquinolines. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 118, 215-222.	1.7	4